Metrics Planning and Reporting (MPAR) WG Breakout Summary

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5th Earth Science Data Systems Working Group

Joint Working Group Meeting

College Park, MD

November 14-16, 2006

MPAR Working Group

- Attendance – 19 (7 REASoNs; 5 ACCESSes)

- Topics Discussed

- FY 06 improvements in metrics from REASoN projects

- Frank's charts - Neometrics

- Future items – FY 07 Work Plan

- Action Items

MPARWG Breakout Sessions

Item	Who	Start	Finish
A. 11/14/06 - FY06 Progress and Accomplishments			
Meet and Greet	**All**	**13:30**	**13:35**
Introduction	**Rama**	**13:35**	**13:45**
HQ View on Metrics	**Lindsay**	**13:45**	**14:05**
Action / Open Items from Oct 2005 workshop	**Rama**	**14:05**	**14:40**
Summary of metrics collection for FY06... **1) Metrics Process** **2) Regular metrics** **3) Impact metrics** **4) REASoN Project feedback on metrics ("4 Questions")**	**Hunolt**	**14:40**	**15:40**
REASoN Projects' experiences with metrics process	**Davis (moderates); all**	**15:40**	**16:10**
Implementing the Revised FY07 Metrics Baseline: **1) Overall goals** **2) Changes in reporting by projects, metric by metric** **3) Changes in website / database (segue to next topic)**	**Rama/Hunolt**	**16:10**	**17:00**
B. 11/15/06 - Looking Forward - FY07 Plans			
Implementing the Revised FY07 Metrics Baseline (Cont.): **1) Overall goals** **2) Changes in reporting by projects, metric by metric** **3) Changes in website / database (segue to next topic)**	**Rama/Hunolt**	**8:30**	**9:15**
Improvements to website and database and accommodating revised baseline	**Davis**	**9:15**	**9:45**
Education Metrics Survey	**Glenn Schuster**	**9:45**	**10:05**
Break		**10:05**	**10:20**
Accommodation of ACCESS Projects	**Rama (moderates); all**	**10:20**	**11:20**
Action Items from the 2006 workshop and FY07 Work Plan	**Hunolt**	**11:20**	**12:00**
C. Special session for ACCESS Projects	**Rama/Davis/Hunolt**	**1:30**	**2:30**

FY 05 to FY 06 Improvement in Reporting

❑ FY 05 – 27/40

❑ FY 06 – 34/38

❑ FY 06 reporting quality and consistency have improved

❑ Impact metrics
  ➢ FY 05 – 4 metrics from 3 projects
  ➢ FY 06 – 12 metrics from 4 projects

SERVICE CATEGORIES

❑**Candidate categories and examples:**

➢Manipulation/Transformation (computation, subsets, reformat, modeling etc.)

➢Visualization (graphical, animation, etc.)

➢Data Transport (moving data from distributed sources, etc.)

➢Service Chaining (finding and linking other services)

➢Search/Discover (aid in data discovery)

➢Delivery (moving data to user)

➢Knowledge enhancement (providing translation or context-specific information, e.g. education & user services)

- Mutually valuable to project and agency

- Project and science context relevant

- Quantified where applicable

- Targeted to effort of project

- Maintain currency

- Captures value-added work

- Non-invasive

- More transparent

- Handles distributed collections

FY07 Work Plan Areas

- Metrics Collection for FY07
  - Develop the best possible set of project metrics for FY07
  - Maintain new version of metrics website;
  - Assist REASoN and ACCESS projects with reporting to new baseline, especially with new service metrics and project-defined metrics;
  - Provide ongoing support to projects, and reports to Rama, Kathy, NASA Headquarters as needed.
  - *Arrange for broader distribution of impact metrics.*

- Analysis of FY07 Metrics
  - State of overall metrics reporting in FY07;
  - Report (at FY07 ES-DSWG) on experience with the service metrics that were approved as experimental;
  - Report on experience with project-defined metrics.
  - Develop recommendations for changes to the metrics baseline if needed.

- Education Survey
  - Develop survey, secure OMB approval

FY07 Work Plan Areas

- ❑ Develop Concepts for the Future of Metrics
  - ➢ How to convey impact / benefit to science, SMD programs.
  - ➢ Evolve / improve service metrics.
  - ➢ Adapt metrics and collection processes to NASA's evolution to smaller, more distributed systems.
  - ➢ Coordinate with other Working Groups.

- ❑ Coordinate with NASA Headquarters and Study Managers
  - Develop better understanding of study managers' needs, and meet them:
  - ➢ Work with them on format and content of on-line display and/or periodic off-line summary reports derived from the metrics DB, and getting feedback to projects.
  - ➢ Develop recommendations for changes to metrics 8, 9 and 10 as needed for study managers.

- ❑ Accommodate the ACCESS Projects
  - ➢ Engage ACCESS projects in the MPAR-WG and support them as they begin FY07 metrics reporting.
  - ➢ Determine how well new baseline meets ACCESS project needs, develop recommendation for changes if necessary (at FY07 ES-DSWG) .

Action Items

1. Keep "Characterizing Distributed Systems" item open, Jim Gallagher to first define the item and suggest what action is needed (and what technology e.g. crawlers might be employed).

2. Evaluate user satisfaction - keep as an action, do a white paper for HQ. Greg Hunolt and Ron Weaver, possible strategies (interviews, surveys, etc.)

3. Ask NASA headquarters if Impact Metrics can be made visible to all projects, Hunolt, query projects to see if they would be willing to share, Rama ask HQ for approval.

4. Passing Impact Metrics to David Herring / NASA Outreach for wider distribution, Rama to discuss this with Frank Lindsay.

5. Query projects to see if they are using automated tools for tracking FTP access, if so which – Greg Hunolt.

6. Frank Lindsay, Rama, Paul Davis to look at content / format for project summary reports (that are derived from monthly metrics' submissions).

7. Assess improvements (list generated during meeting) to website and implement as needed - Paul Davis & Saurabh Channan.